GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:3226
ANSWERED ON:14.08.2003
PROMOTION OF NCES
YEMPARALA VENKATESWARA RAO

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the Government are aware that conventional energy sources are depleting due to increasing use and population;

(b) if so, for promoting the non-conventional energy sources, whether the Government propose to increase subsidies on the non-conventional energy sources; and

(c) if so, the details thereof?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a): Yes, Sir. The Government are aware that conventional energy resources are finite.

(b)&(c): The Ministry is providing Central Financial Assistance for promoting non-conventional energy, the details of which under various programme during 2003-04 are given in Annexure.

Annexure

Annexure referred to in reply to parts (b) and (c) of Lok Sabha unstarred question No.3226 for 14-8-2003regarding Promotion of NCES.

Central Financial Assistance Provided Under Major Non-Conventional Energy Programmes During 2003-04.

S. No.	Name of Programme	Details of subsidies
1.	Family Type biogas plants	Rs.1800 for general category ; Rs. 2300/- for scheduled caste, Scheduled Tribe, desert districts, small and marginal farmers, landless labourers, terai region of Uttaranchal, Western Ghats and other notified hilly areas; Rs.3500 for Jammu & Kashmir; Himachal Pradesh; Uttaranchal (excluding terai region); Nilgiris in Tamil Nadu; Sardar Kursoong and Kalimpong sub-divisions of Darjeeling district and Sundarbans in West Bengal; and Andaman and Nicobar Islands. Rs.11,700 per plant for North Eastern States & Sikkim (except plain areas of Assam) ; and Rs.9000 per plant for plain areas of Assam
2.	Solar Photovoltaic Programme	For States and Islands (Other than UTs) including NE States For Special Category States

Solar Home System subject to a maximum of:	50% of ex-works cost,	90% of ex-works cost, subject to a maximum of:
Model 1 (18W module, 1 light)	Rs.3,000/-	Rs.5,000/-
Model 2 (37W module, 2 lights)	Rs.5,500/-	Rs.10,000/-
Model 3 (37W module, 1 light, 1 fan)	Rs.5,500/-	Rs.10,000/-
Model 4 (74W module, 2 lights, 1 fan)	Rs.10,000/-	Rs.18,000/-
Model 5 (74W module, 4 light)	Rs.10,000/-	Rs.18,000/-
Street Lighting System	Rs.11,000/-	Rs.20,000/-
Stand alone SPV Power Plant & other Community Systems	Rs.1.80 lakh/kWp of PV array capacity	Rs.3.50 lakh/kWp of PV array capacity
3. SPV Water Pumping Programme Capital subsidy	For States: Rs. 135 /Watt of SPV array with maximum of Rs.2.50 lakh/system	
	For Special Category States and Islands (other than UTs).: max. 90% of the approved ex-works cost subject to a maximum of Rs.2.50 lakh /system.	
Loan from IREDA	Loan @ 2.5 % and 5% interest rates to intermediaries and users respectively.	
4. Water Pumping Wind Mills	Rs. 20,000 to Rs. 45,000 per system	
5. Small aero-generators and hybrid systems	Rs. 2.00 lakhs per kilo-watt or 50-70% of ex-works cost, whichever is less	
6. Solar Cookers	For States	50% for special category States and Islands (other than UTs)
	50% of total cost limited to maximum of :	50% of total cost limited to maximum of :
Dish type	Rs.2,500/-	Rs.2,500/-
Community Type	Rs.25,000/-	Rs.25,000/-
Steam Cooking System	50% of the eligible capital cost	50% of the eligible capital cost
7. Biomass Gasifier		
a. Captive Usage	For Thermal Applications (upto 3MW): Rs.1.25 lakh / 300 kW	
For States	For electrical / mechanical applications (upto 1MWe): Rs.1.50 lakh /100 kWe	

Special category States and Islands (Other than UTs)	20% higher CFA of the above

b. Village Electrification Project

For States	60% of the basic package price of Rs.15 lakh /50 kWe & Rs.1.50 lakhs / 50kWe towards biomass collection/processing and 5 years AMC and Rs.1,500/- per household for internal wiring as micro-credit.
Special category States and Islands (Other than UTs)	90% of the basic package price of Rs.15 lakh /50 kWe & Rs.1.50 lakhs / 50kWe towards biomass collection / processing and 5 years AMC and Rs.1,500/- per household for internal wiring as micro-credit.

c. Demonstration Project with 100% Producer Gas Engines for Power Production

For States	Rs. 15.00 lakh /100 kWe for biomass gasifier with 100% producer gas engine and Rs.10.00 lakh/100 kWe for 100% producer gas engine alone on pro-data basis.
Special category States and Islands (Other than UTs)	20 % higher CFA of the above.
d. Conversion of existing Diesel Power Plants in 11 special category States and all Islands	Rs.10.00 lakh / 100 kWe on pro-rata basis.

8. Small Hydro Power Programme

Capital Subsidy for Govt. sector SHP projects

Upto 100 KW	a) 90% of the project cost upto Rs. 60,000 per KW for N E Region, Sikkim, J&K, H.P. & Uttaranchal b) 60% of the project cost upto Rs. 40,000 per KW for Notified hilly regions of all other States & Islands c) 40% of the project cost upto Rs. 20,000 per KW for Plain & other regions of all other States
From 101 KW to 999 KW	a) 90% of the project cost upto Rs. 60 lakhs plus Rs. 43,250/- per KW for N E Region, Sikkim, J&K, H.P. & Uttaranchal b) 60% of the project cost upto Rs. 40 lakhs plus Rs. 28,850/- per KW for Notified hilly regions of all other States & Islands c) 40% of the project cost upto Rs. 20 lakhs plus Rs. 14,425/- per KW for Plain & other regions of all other States
From 1 MW to 25 MW	a) 90% of the project cost upto Rs. 4.5 crores plus Rs. 75 lakhs per MW for N E Region, Sikkim, J&K, H.P. & Uttaranchal b) 60% of the project cost upto Rs. 3.0 crores plus Rs. 50 lakhs per MW for Notified hilly regions of all other States & Islands c) 40% of the project cost upto Rs. 1.5 crores plus Rs. 25 lakhs per MW for Plain & other regions of all other States

Subsidy for Commercial SHP projects

Upto 100 KW	a) 45% of the project cost upto Rs. 30,000 per KW for N E Region, Sikkim, J&K, H.P. & Uttaranchal	
	b) 30% of the project cost upto Rs. 20,000 per KW for Notified hilly regions of all other States and Islands	
	c) 20% of the project cost upto Rs. 10,000 per KW for Plain & other regions of all other States	
From 101 KW to 999 KW	a) 45% of the project cost upto Rs. 30 lakhs plus Rs. 21,625/- per KW for N E Region, Sikkim, J&K, H.P. & Uttaranchal	
	b) 30% of the project cost upto Rs. 20 lakhs plus Rs. 14,400/- per KW for Notified hilly regions of all other States & Islands	
	c) 20% of the project cost upto Rs. 20 lakhs plus Rs. 7,200/- per KW for Plain & other regions of all other States	
From 1 MW to 25 MW	a) 45% of the project cost upto Rs. 2.25 crores plus Rs. 37.50 lakhs per MW for N E Region, Sikkim, J&K, H.P. & Uttaranchal	
	b) 30% of the project cost upto Rs. 1.50 crores plus Rs. 25 lakhs per MW for Notified hilly regions of all other States & Islands	
	c) 20% of the project cost upto Rs. 0.75 crores plus Rs. 12.5 lakhs per MW for Plain & other regions of all other States	
9 Wind Power		
i) Land based demonstration project	Upto 60% of equipment cost with a ceiling of Rs.3.5 crores per MW.	
ii) Wind Hybrid Projects	Full cost of the equipment subject to a ceiling of Rs.70 lakh per kW. In addition, up to 90% for laying new or upgrading/extension of existing lines for decentralized electrification in remote and difficult areas.	
10 SPV Grid Interactive Power Plant	For States: Maximum upto Rs.2 lakh/kWp	
	For Special Category States and Islands (other than UTs): Rs.2.70 lakh /kWp.	
11 Biomass Power/Cogeneration		
Interest subsidy		
a. Bagasse Cogeneration		
Projects by Cooperative/Public/ joint Sector Sugar Mills 60 bar and above (40 to 100 bars and above)	3% - 6%	(Floor rate applicable = 6%)
Projects in IPP mode in cooperative/public sector joint sugar mills (60 to 100 bar and above)	2% - 4%	(Floor rate applicable = 8%)

Projects by private sugar mills (60 to 100 bar and above)	1% - 3%	(Floor rate applicable = 8%)
b. Biomass Power		
1. Commercial co-generation projects including captive power (60 to 80 bars and above)	2% - 3%	(Floor rate applicable = 8%)
2. Commercial combustion projects including captive power (60 to 80 bars and above)	2% - 3%	(Interest Subsidy) (Floor rate applicable = 8%)
3. Atmospheric Gasification including captive power	2%	(Floor rate applicable= 8%)
4. Biomass Power/Cogeneration Projects:		
For all special category States, and Islands (Other than UTs)		Additional interest subsidy @ 2%. (Floor rate applicable = 6%)
12 Power from urban & Industrial Wastes		
Interest subsidy for Industrial Wastes		Interest subsidy for reducing the rate of interest to 6.0% (Floor rate applicable = 6.0%).
		For Special Category States - Floor rate applicable 4%
13 Solar Water Heating Systems (SWHS)		
Interest Subsidy		
Through Banks/FIs (including housing financing org.) SWHS up to 5000 litres capacity	5%(to end user)-	individual, institution, association, small business establishments, housing society/developers. (hotels not eligible)
Through IREDA		
SWHS (any capacity)	5%	for non-profit organisations.
Solar air heating systems, desalination system, solar swimming pool	7%	for profit-making organisations.
14 Village Electrification		As per the provisions contained in the Solar Photovoltaic, Biomass Gasifier and Small Hydro Power programmes.

MW = Megawatt.
KWp = Kilowatt peak.
KW = Kilowatt.

SPV = Solar Photovoltaic